

**APPENDIX P (Scenario 4b)**  
**Bayou Lafourche TMDL (sum of CBODu and NBODu)**  
**TMDL Calculations**  
**Summer and Winter Critical Conditions**

Subsegment 020401	Summer (May-Nov)	% of TMDL for summer conditions	Winter (Nov-April)	% of TMDL for winter conditions
Current Point Source Loadings at Critical Conditions (kg/d)	533		396	
Current Nonpoint Source Loadings at Critical Conditions (kg/d)	3,053		3,053	
Maximum Point Source Loadings at Critical Conditions (kg/d)	533		396	
Maximum Nonpoint Source Loadings at Critical Conditions (kg/d)	108,666		157,786	
Point Source WLA (kg/d)	533	0	396	0
Nonpoint Source LA (kg/d)	97,746	90	141,968	90
MOS (kg/d)	10,920	10	15,818	10
Assimilative Capacity (kg/d)	109,199	100	158,181	100
Reserve Capacity (kg/d)	94,693		138,915	
TMDL (kg/d)	109,199		158,181	
TMDL (lbs/d)	240,739		348,724	
% Reduction in Nonpoint Source Loadings Required:	NA		NA	
% Reduction in Point Source Loadings Required:	NA		NA	

Note: TMDL also noted as "assimilative capacity."